

Miguel Jimenez

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Experienced software engineer with a strong background in web and cloud development, platform engineering, language engineering, and applied research. Expert in continuous software engineering and autonomic computing.

INDUSTRY EXPERIENCE

Founder / Senior Software Engineer — Varxen

Aug 2022 to Present | Montreal, Canada & Cali, Colombia

Python, TypeScript, REST APIs, Microservices, Web Development, Full-Stack Development, Architecture Design, Performance Monitoring, Build Automation, CI/CD, Containerized Applications, Terraform, Helm, Kubernetes, Cloud Capacity Planning, Technical Writing

Senior DevOps Engineer — Edurita

Aug 2020 to Apr 2022 | Victoria, Canada (Remote Canada)

Cloud Capacity Planning, Performance Monitoring, Build Automation, DevOps, CI/CD, Containerized Applications, Kubernetes, Design Patterns

Senior Software Engineer — Talentum

Oct to Jan 2021 | Cali, Colombia (Contract / Remote Colombia)

TypeScript, Java, REST APIs, Architecture Design, Keycloak (SSO), Node.js, Loopback, Next.js, CI/CD, Docker, Kubernetes, Helm

Software Engineer Intern — SAP

May to Aug 2020 | Montreal, Canada (Remote Canada)

Java, JSP, HTML, CSS, Less, JavaScript, Design Patterns, Full-Stack Development, Docker, Hybris, Solr, CI/CD

Software Developer — Carvajal Espacios

Nov 2015 to Jun 2016 | Cali, Colombia

Java, JavaScript, HTML, CSS, Design Patterns, Web Development, Play! framework (Java), Spring Data JPA, Hibernate, PostgreSQL

Software Engineer — Laboratorios LaFranco

Jan to Nov 2015 | Cali, Colombia

C#, JavaScript, HTML, CSS, ASP.NET MVC, Entity Framework, Design Patterns, Web Development, MS SQL Server, Node.js

Software Developer — SQL Soluciones Informáticas

Jul 2009 to Dec 2012 | Cali, Colombia

C#, JavaScript, PHP, HTML, CSS, ASP.NET MVC, Entity Framework, PowerBuilder, MS SQL Server, PostgreSQL

PATENTS

- Two-Way Synchronization of Infrastructure-as-Code Templates and Instances—Patent Reference P202006693US01. Patent Application Filed. Joseph Paul Wigglesworth, **Miguel Jimenez**, Gabriel Tamura, Hans Albert Muller, Ian Fraser Watts, Hugh Edward Hockett. March 2022. IBM.

EDUCATION

Ph.D. in Computer Science

University of Victoria, Canada • Spring 2022

M.Sc. in Software Engineering

Universidad Icesi, Colombia • Summer 2016

B.E. in Software Systems Engineering

Universidad Icesi, Colombia • Spring 2014

SKILLS

- Technical Skills:** Web Programming, Architecture Design, Containerized Applications, Continuous Delivery, Cloud Computing, Infrastructure as Code, Software Deployment, Object-Oriented Programming, Language Engineering, Technical Writing
- Programming and Domain-Specific Languages:** Java, Python, JavaScript / TypeScript / Node.js, C#, ShellScript, Xtend, R, C, CSS, HTML, HCL (Terraform), SQL, \LaTeX
- Frameworks and Libraries:** Micronaut, Spring, Hibernate, JAX-RS / JAXB / Jackson, ASP.NET, Entity Framework, Xtext, React.js, Next.js, Angular, Webpack, Babel, Storybook